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Claims

[c1] A dormer for attachment to a roof portion of a structure comprising:
a girder frame having a pair of elongated rails, wherein the girder frame is configured to be in register with an opening in an angled roof portion of the structure when the girder frame is mounted to the roof portion of a structure;
a front frame mounted to the girder frame, wherein the front frame is configured to be positioned in a generally vertical orientation when the girder frame is mounted to the roof portion; and
a top frame mounted to the front frame, wherein the top wall is configured to form a roof for the dormer;
wherein at least two of the girder frame, the front frame, and the top frame are pivotally mounted to one another between a first, lowered position and a second, finished position.

[c2] The dormer of claim 1 wherein the front frame is pivotally mounted to the girder frame between a first, lowered position and a second, finished position.

[c3] The dormer of claim 2 wherein the top frame is pivotally

mounted to the girder frame between a first, lowered position and a second, finished position.

[c4] The dormer of claim 3 wherein the top frame is pivotally mounted to the front frame between a first, lowered position and a second, finished position.

[c5] The dormer of claim 4 wherein the top frame comprises a plurality of first truss members and a plurality of second truss members each pivotally mounted to the top frame.

[c6] The dormer of claim 5 wherein the first and second truss members are pivotally moveable relative to the top frame between a first, lowered position and a second raised position, wherein the top frame can be easily transported in a low volume when the first and second truss members are positioned in the first, lowered position.

[c7] The dormer of claim 6 and further comprising a top frame ridge board, wherein the first and second truss members are fixedly mounted to the top frame ridge board when the first and second truss members are moved to the second, raised position.

[c8] The dormer of claim 7 and further comprising a finishing frame adapted to be mounted between the top frame in the second, finished position and the roof portion of the

structure to form a transition between the top frame and the roof portion of the structure.

[c9] The dormer of claim 8 and further comprising at least one side frame adapted to be mounted between an upper surface of the girder frame and a lower portion of at least one of the front frame and the top frame, wherein the at least one side frame forms a vertical side wall of the dormer.

[c10] The dormer of claim 9 wherein the at least one side frame is mounted to the dormer after all components have been raised to the second, finished position.

[c11] The dormer of claim 10 and further comprising at least one knee wall chord for holding the dormer assembly in the second, finished position.

[c12] The dormer of claim 11 wherein the knee wall chord is pivotally mounted to the girder frame at a central area thereof.

[c13] The dormer of claim 12 wherein the knee wall chord is pivotally mounted to the girder frame between the mountings of the top frame and the front frame.

[c14] The dormer of claim 1 wherein the top frame is pivotally mounted to the girder frame between a first, lowered

position and a second, finished position.

[c15] The dormer of claim 1 wherein the top frame is pivotally mounted to the front frame between a first, lowered position and a second, finished position.

[c16] The dormer of claim 1 wherein the top frame comprises a plurality of first truss members and a plurality of second truss members each pivotally mounted to the top frame.

[c17] The dormer of claim 16 wherein the first and second truss members are pivotally moveable relative to the top frame between a first, lowered position and a second raised position, wherein the top frame can be easily transported in a low volume when the first and second truss members are positioned in the first, lowered position.

[c18] The dormer of claim 17 and further comprising a top frame ridge board, wherein the first and second truss members are fixedly mounted to the top frame ridge board when the first and second truss members are moved to the second, raised position.

[c19] The dormer of claim 1 and further comprising a finishing frame adapted to be mounted between the top frame in the second, finished position and the roof portion of the

structure to form a transition between the top frame and the roof portion of the structure.

[c20] The dormer of claim 1 and further comprising at least one side frame adapted to be mounted between an upper surface of the girder frame and a lower portion of at least one of the front frame and the top frame, wherein the at least one side frame forms a vertical side wall of the dormer.

[c21] The dormer of claim 20 wherein the at least one side frame is mounted to the dormer after all components have been raised to the second, finished position.

[c22] The dormer of claim 1 and further comprising at least one knee wall chord for holding the dormer assembly in the second, finished position.

[c23] The dormer of claim 22 wherein the knee wall chord is pivotally mounted to the girder frame at a central area thereof.

[c24] The dormer of claim 23 wherein the knee wall chord is pivotally mounted to the girder frame between the mountings of the top frame and the front frame.

[c25] A dormer assembly for attachment to a roof portion of a structure comprising:

a dormer; and

a hinge attached to the dormer adapted to pivotally mount the dormer to the roof portion of a structure between a collapsed position and a finished, erected position.

[c26] The dormer assembly of claim 25 wherein the dormer comprises a girder frame adapted to be interconnected with the hinge and to be located in register with an opening in the roof portion of the structure.

[c27] The dormer assembly of claim 26 wherein the dormer comprises a front frame adapted to be positioned in a generally vertical orientation when the girder frame is positioned in the finished, erected position.

[c28] The dormer assembly of claim 27 wherein the dormer comprises a top frame adapted to form a roof portion of the dormer assembly when the girder frame is positioned in the finished, erected position.

[c29] The dormer assembly of claim 28 wherein the front frame is pivotally mounted to the girder frame between a first, lowered position and a second, finished position.

[c30] The dormer assembly of claim 29 wherein the top frame is pivotally mounted to the girder frame between a first, lowered position and a second, finished position.

[c31] The dormer assembly of claim 30 wherein the top frame is pivotally mounted to the front frame between a first, lowered position and a second, finished position.

[c32] The dormer assembly of claim 31 wherein the top frame comprises a plurality of first truss members and a plurality of second truss members each pivotally mounted to the top frame.

[c33] The dormer assembly of claim 32 wherein the first and second truss members are pivotally moveable relative to the top frame between a first, lowered position and a second raised position, wherein the top frame can be easily transported in a low volume when the first and second truss members are positioned in the first, lowered position.

[c34] The dormer assembly of claim 33 and further comprising a top frame ridge board, wherein the first and second truss members are fixedly mounted to the top frame ridge board when the first and second truss members are moved to the second, raised position.

[c35] The dormer assembly of claim 34 and further comprising a finishing frame adapted to be mounted between the top frame in the second, finished position and the roof portion of the structure to form a transition between the

top frame and the roof portion of the structure.

[c36] The dormer assembly of claim 35 and further comprising at least one side frame adapted to be mounted between an upper surface of the girder frame and a lower portion of at least one of the front frame and the top frame, wherein the at least one side frame forms a vertical side wall of the dormer assembly.

[c37] The dormer assembly of claim 36 wherein the at least one side frame is mounted to the dormer assembly after all components have been raised to the second, finished position.

[c38] The dormer assembly of claim 37 and further comprising at least one knee wall chord for holding the dormer assembly in the finished, erected position.

[c39] The dormer assembly of claim 38 wherein the knee wall chord is pivotally mounted to the girder frame at a central area thereof.

[c40] The dormer assembly of claim 39 wherein the knee wall chord is pivotally mounted to the girder frame between the mountings of the top frame and the front frame.

[c41] The dormer assembly of claim 25 wherein the dormer comprises a front frame adapted to be positioned in a

generally vertical orientation when the girder frame is positioned in the finished, erected position.

[c42] The dormer assembly of claim 25 wherein the dormer comprises a top frame adapted to form a roof portion of the dormer assembly when the girder frame is positioned in the finished, erected position.

[c43] The dormer assembly of claim 25 wherein the front frame is pivotally mounted to the girder frame between a first, lowered position and a second, finished position.

[c44] The dormer assembly of claim 25 wherein the top frame is pivotally mounted to the girder frame between a first, lowered position and a second, finished position.

[c45] The dormer assembly of claim 25 wherein the top frame is pivotally mounted to the front frame between a first, lowered position and a second, finished position.

[c46] The dormer assembly of claim 25 wherein the top frame comprises a plurality of first truss members and a plurality of second truss members each pivotally mounted to the top frame.

[c47] The dormer assembly of claim 46 wherein the first and second truss members are pivotally moveable relative to the top frame between a first, lowered position and a

second raised position, wherein the top frame can be easily transported in a low volume when the first and second truss members are positioned in the first, lowered position.

[c48] The dormer assembly of claim 47 and further comprising a top frame ridge board, wherein the first and second truss members are fixedly mounted to the top frame ridge board when the first and second truss members are moved to the second, raised position.

[c49] The dormer assembly of claim 25 and further comprising a finishing frame adapted to be mounted between the top frame in the second, finished position and the roof portion of the structure to form a transition between the top frame and the roof portion of the structure.

[c50] The dormer assembly of claim 25 and further comprising at least one side frame adapted to be mounted between an upper surface of the girder frame and a lower portion of at least one of the front frame and the top frame, wherein the at least one side frame forms a vertical side wall of the dormer assembly.

[c51] The dormer assembly of claim 50 wherein the at least one side frame is mounted to the dormer assembly after all components have been raised to the finished, erected

position.

[c52] The dormer assembly of claim 25 and further comprising at least one knee wall chord for holding the dormer assembly in the finished, erected position.

[c53] The dormer assembly of claim 52 wherein the knee wall chord is pivotally mounted to the girder frame at a central area thereof.

[c54] The dormer assembly of claim 53 wherein the knee wall chord is pivotally mounted to the girder frame between the mountings of the top frame and the front frame.

[c55] A method of mounting a dormer to a roof structure comprising the steps of:
providing a dormer with a hinge thereon, the hinge being adapted to be mounted to a roof portion of a structure;
whereby .the dormer is thereby adapted to be pivotally mounted to the roof portion of the structure.

[c56] The method of claim 55 and further comprising the step of mounting the hinge on the dormer to the roof structure.

[c57] The method of claim 56 and further comprising the step of pivoting the dormer from a first, lowered position to a

second, finished position about the hinge.

[c58] The method of claim 57 and further comprising the step of fixedly mounting the dormer to the roof portion in the second, finished position.

[c59] The method of claim 58 and further comprising the step of providing the dormer with a girder frame adapted to be interconnected with the hinge and to be located in register with an opening in the roof portion of the structure.

[c60] The method of claim 59 and further comprising the step of providing the dormer with a front frame adapted to be positioned in a generally vertical orientation when the girder frame is positioned in the finished, erected position.

[c61] The method of claim 60 and further comprising the step of providing the dormer with a top frame adapted to form a roof portion of the dormer assembly when the girder frame is positioned in the finished, erected position.

[c62] The method of claim 61 and further comprising the step of pivotally mounting the front frame to the girder frame between a first, lowered position and a second, finished position.

[c63] The method of claim 62 and further comprising the step of pivotally mounting the top frame to the girder frame between a first, lowered position and a second, finished position.

[c64] The method of claim 63 and further comprising the step of pivotally mounting the top frame to the front frame between a first, lowered position and a second, finished position.

[c65] The method of claim 64 and further comprising the step of providing the top frame with a plurality of first truss members and a plurality of second truss members each pivotally mounted to the top frame.

[c66] The method of claim 65 wherein the first and second truss members are pivotally moveable relative to the top frame between a first, lowered position and a second raised position, wherein the top frame can be easily transported in a low volume when the first and second truss members are positioned in the first, lowered position.

[c67] The method of claim 66 and further comprising a top frame ridge board, and further comprising the step of fixedly mounting the first and second truss members to the top frame ridge board when the first and second

truss members are moved to the second, raised position.

[c68] The method of claim 67 and further comprising the step of providing a finishing frame adapted to be mounted between the top frame in the second, finished position and the roof portion of the structure to form a transition between the top frame and the roof portion of the structure.

[c69] The method of claim 68 and further comprising the step of providing at least one side frame adapted to be mounted between an upper surface of the girder frame and a lower portion of at least one of the front frame and the top frame, wherein the at least one side frame forms a vertical side wall of the dormer assembly.

[c70] The method of claim 69 and further comprising the step of mounting the at least one side frame to the dormer assembly after all components have been raised to the second, finished position.

[c71] The method of claim 70 and further comprising the step of providing at least one knee wall chord for holding the method assembly in the second, finished position.

[c72] The method of claim 71 and further comprising the step of pivotally mounting the knee wall chord to the girder frame at a central area thereof.

[c73] The method of claim 72 and further comprising the step of pivotally mounting the knee wall chord to the girder frame between the mountings of the top frame and the front frame thereto.

[c74] The method of claim 55 and further comprising the step of providing the dormer with a girder frame adapted to be interconnected with the hinge and to be located in register with an opening in the roof portion of the structure.

[c75] The method of claim 74 and further comprising the step of providing the dormer with a front frame adapted to be positioned in a generally vertical orientation when the girder frame is positioned in the finished, erected position.

[c76] The method of claim 75 and further comprising the step of providing the dormer with a top frame adapted to form a roof portion of the dormer assembly when the girder frame is positioned in the finished, erected position.

[c77] The method of claim 76 and further comprising the step of pivotally mounting the front frame to the girder frame between a first, lowered position and a second, finished position.

[c78] The method of claim 76 and further comprising the step of pivotally mounting the top frame to the girder frame between a first, lowered position and a second, finished position.

[c79] The method of claim 76 and further comprising the step of pivotally mounting the top frame to the front frame between a first, lowered position and a second, finished position.

[c80] The method of claim 76 and further comprising the step of providing the top frame with a plurality of first truss members and a plurality of second truss members each pivotally mounted to the top frame.

[c81] The method of claim 76 and further comprising the step of providing a finishing frame adapted to be mounted between the top frame in the second, finished position and the roof portion of the structure to form a transition between the top frame and the roof portion of the structure.

[c82] The method of claim 76 and further comprising the step of providing at least one side frame adapted to be mounted between an upper surface of the girder frame and a lower portion of at least one of the front frame and the top frame, wherein the at least one side frame forms

a vertical side wall of the dormer assembly.

[c83] The method of claim 82 and further comprising the step of mounting the at least one side frame to the dormer assembly after all components have been raised to the second, finished position.

[c84] The method of claim 55 and further comprising the step of providing at least one knee wall chord for holding the method assembly in a raised, finished position.

[c85] The method of claim 55 and further comprising the step of pivotally mounting a knee wall chord to the dormer.

[c86] An erectable dormer assembly for attachment to a roof portion of a structure comprising:
a girder frame adapted to be interconnected to the roof portion of the structure;
a front frame interconnected to the girder frame and adapted to form a visible vertical wall of the dormer assembly; and
a top frame interconnected to the girder frame adapted to form a roof portion of the dormer assembly;
wherein at least one of the front frame and the top frame are pivotally interconnected to the girder frame between a first, lowered position and a second, finished position to assist in the easy transportation and erection of the

dormer assembly.

[c87] The dormer of claim 86 and further comprising a pair of side walls adapted to be interconnected to vertical side-walls of the dormer.

[c88] The dormer of claim 87 wherein both the front frame and the top frame are pivotally mounted to the girder frame.

[c89] The dormer of claim 88 wherein the front frame is pivotally mounted to a lower portion of the girder frame.

[c90] The dormer of claim 89 wherein the top frame is pivotally mounted to an upper portion of the girder frame.

[c91] The dormer of claim 90 and further comprising a hinge portion mounted to a base portion of the girder frame and adapted to be mounted to the roof portion of the structure between a first, lowered position and a second, raised position.

[c92] The dormer of claim 91 wherein the roof portion comprises a plurality of floor trusses.

[c93] The dormer of claim 92 and further comprising at least one knee wall chord for holding the dormer assembly in the second, raised position.

[c94] The dormer of claim 93 wherein the knee wall chord is pivotally mounted to the girder frame at a middle area thereof.

[c95] The dormer of claim 94 wherein the knee wall chord is pivotally mounted to the girder frame between the mountings of the top frame and the front frame.

[c96] The dormer of claim 95 wherein the top frame comprises a plurality of first truss members and a plurality of second truss members each pivotally mounted to the top frame.

[c97] The dormer of claim 96 wherein the first and second truss members are pivotally moveable relative to the top frame between a first, .lowered position and a second raised position, wherein the top frame can be easily transported in a low volume when the first and second truss members are positioned in the first, lowered position.

[c98] The dormer of claim 97 and further comprising a top frame ridge board, wherein the first and second truss members are fixedly mounted to the top frame ridge board when the first and second truss members are moved to the second, raised position.

[c99] The dormer of claim 98 and further comprising a finish-

ing frame adapted to be mounted between the top frame in the second, finished position and the roof portion of the structure to form a transition between the top frame and the roof portion of the structure.

[c100] The dormer of claim 86 wherein both the front frame and the top frame are pivotally mounted to the girder frame.

[c101] The dormer of claim 86 wherein the front frame is pivotally mounted to a lower portion of the girder frame.

[c102] The dormer of claim 86 wherein the top frame is pivotally mounted to an upper portion of the girder frame.

[c103] The dormer of claim 86 and further comprising a hinge portion mounted to a base portion of the girder frame and adapted to be mounted to the roof portion of the structure between a first, lowered position and a second, raised position.

[c104] The dormer of claim 86 wherein the roof portion comprises a plurality of floor trusses.

[c105] The dormer of claim 86 and further comprising at least one knee wall chord for holding the dormer assembly in the second, raised position.

[c106] The dormer of claim 105 wherein the knee wall chord is

pivotally mounted to the girder frame at a middle area thereof.

[c107] The dormer of claim 105 wherein the knee wall chord is pivotally mounted to the girder frame between the mountings of the top frame and the front frame.

[c108] The dormer of claim 86 wherein the top frame comprises a plurality of first truss members and a plurality of second truss members each pivotally mounted to the top frame.

[c109] The dormer of claim 108 wherein the first and second truss members are pivotally moveable relative to the top frame between a first, lowered position and a second raised position, wherein the top frame can be easily transported in a low volume when the first and second truss members are positioned in the first, lowered position.

[c110] The dormer of claim 108 and further comprising a top frame ridge board, wherein the first and second truss members are fixedly mounted to the top frame ridge board when the first and second truss members are moved to the second, raised position.

[c111] The dormer of claim 86 and further comprising a finishing frame adapted to be mounted between the top frame

in the second, finished position and the roof portion of the structure to form a transition between the top frame and the roof portion of the structure.